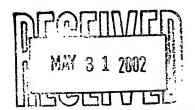


Signature



"'PTO/SB/21 (08-00) Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. 10/080,073 Application Number TRANSMITTAL Filing Date 2/21/2002 **FORM First Named Inventor** De et al. (to be used for all correspondence after initial filing) Group Art Unit Not Yet Known Not Yet Known **Examiner Name** 7 I-2-0173.5US Attorney Docket Number Total Number of Pages in This Submission **ENCLOSURES** (check all that apply) After Allowance Communication **Assignment Papers** X Fee Transmittal Form (for an Application) to Group Appeal Communication to Board Fee Attached Drawing(s) of Appeals and Interferences Licensing-related Papers Appeal Communication to Group Amendment / Reply (Appeal Notice, Brief, Reply Brief) Petition After Final Proprietary Information Petition to Convert to a Affidavits/declaration(s) **Provisional Application** Status Letter Power of Attorney, Revocation Change of Correspondence Other Enclosure(s) (please Extension of Time Request Address identify below): Terminal Disclaimer RECEIVED **Express Abandonment Request** Request for Refund MAY 3 0 2002 X Information Disclosure Statement CD, Number of CD(s), Certified Copy of Priority Technology Center 2600 Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT JEFFREY M. GLABICKI Reg. No. 42,584 Firm Individual name Volpe and Koenig, P.C. Signature May 20, 2002 Date CERTIFICATE OF MAILING hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: May 20, 2002 JEFFREY M. GLABICKI Typed or printed name May 20, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Date

Volpe and Koenig Revision of PTO/SB/17 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE on Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

RANSMITTAL for FY 2002

Patent fees are subject to annual revision.

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Complete if Known					
Application Number	10/080,073				
Filing Date	2/21/2002				
First Named Inventor	De et al.				
Examiner Name	Not Yet Known				
Group Art Unit	Not Yet Known				
Attorney Docket No.	I-2-0173.5US				

The Commissioner is hereby authorized to charge Deposit Account 22-0493 Deposit Account 22-0493 Deposit Account 22-0493 Deposit Account 22-0493 Deposit Account 22-0493 Deposit Account 22-0493 Deposit Account Deposit Deposit Account Depo	METHOD OF PAYMENT	FEE CALCULATION (continued)					
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Registration No. (Attorney/Agent) Telephone Jeffrey M. Gląbicki 42,584 215-568-6400 Name (Print/Type) May 20, 2002 Date Signature

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I THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

De et al.

Our File: I-2-0173.5US

Date:

May 20, 2002

Application No.:

10/080,073

Filed:

02/21/2002

For: SINGLE USER DETECTION BASE

STATION

Group:

Not Yet Known

Examiner:

Not Yet Known

INFORMATION DISCLOSURE STATEMENT

RECEIVED

MAY 3 0 2002

Commissioner for Patents Washington, D.C. 20231

Technology Center 2600

Sir:

Further to applicant's Duty of Disclosure pursuant to 37 C.F.R. § 1.56, applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form.

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Sheet	1	of	1	

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. I-2-0173.5US

SERIAL NO. 10/080,073

APPLICANT De et al.

FILING DATE 2/21/2002

GROUP Not Yet Known

U.S. PATENT DOCUMENTS

XAMINER INITIAL	DOCUMENT NUMBER DATE					DATE	NAME	CLASS	SUBCLASS	FILING DA APPROPR	
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				FOF	REIC	ON PATE	NT DOCUMENTS			MAY	2-0-200
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OTHER	D	OCUM	1ENT	S (Ir	nclu	ding Aut	hor, Title, Date, Perti	nent F	ages, l	Etc.)	
AA		Ran	•				and Walter Konhauser en Systems, Artech House)
АВ		Anja Klein, Ghassan Kawas Kaleh and Paul Walter Baier, "Zero Forcing and Minimum Mean-Square Error Equalization for Multiuser Detection in Code-Division Multiple-Access Channels", <i>IEEE Trans. on Vehicular Technology</i> , Vol.45, No. 2, pp. 276-287, May 1996.									
AC		Naja Klein, "Data Detection Algorithms Specially Designed for the Downlink of CDMA Mobile Radio Systems", <i>IEEE 47th Vehicular Technology Conference</i> , pp. 203-207, May 1997.									
AD		H.R. Karimi and N.W. Anderson, "A Novel and Efficient Solution to Block-Based Joint-Detection using Approximate Cholesky Factorization", <i>Personal, Indoor and Mobile Communications PIMRC' 98,</i> Conference Proceedings, Vol. 3, pp. 1340-1345, Sept. 1998, Boston, MA.						nd			
AE		ETSI STC SMG2 Layer 1 Expert Group, "Low Cost MMSE-BLE-SD Algorithm for UTRA TDD Mode Downline", Tdoc SMG2 UMTS L1, Helsinki, Finland, Sept. 1998.									
AF		3G TS 25.102 V3.4.0, 2000-10, "UTRA (TDD) Radio Transmission and Reception", 3rd Generation Partnership Project, Technical Specification Group RAN WG4, Annex B., pp. 37.)			
EXAMINER							DATE C	ONSIDE	RED		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: De et al. **Application No.:** 10/080,073

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

De et al.

Jeffrey M. Glabicki

Registration No. 42,584

(215) 568-6400

Volpe and Koenig, P.C. Suite 400, One Penn Center 1617 John F. Kennedy Boulevard Philadelphia, PA 19103

JMG/jrd Enclosures